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Docket No.: 0404-000-001-AMI  
Customer No. 44,765

Attention Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POST-FILING TRANSMITTAL  
AND FEE TRANSMITTAL**

**Inventor:** William Daniel Hillis  
**TITLE:** METHOD AND SEQUENCES FOR DETERMINE NUCLEIC ACID  
HYBRIDIZATION  
**Patent No.:** 6,949,340 B2  
**Appl. No.:** 09/821,694  
**Issue Date:** September 27, 2005

03/27/2007 HDEMSS2 00000102 6949340

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**ENCLOSURES**

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MAR 29 2007  
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Submitted by:

  
Stephen L. Malaska  
Reg. No. 32,655

Mar. 22, 2007  
Date

**APR 2 - 2007**

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 6,949,340 B2

APPLICATION NO.: 09/821,694

ISSUE DATE : September 27, 2005

INVENTOR(S) : William Daniel Hillis

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(54) Title: Delete "OPTICAL PHASE MODULATOR" and replace with --METHOD AND SEQUENCES FOR DETERMINATE NUCLEIC ACID HYBRIDIZATION--

Column 1, line 1: Delete "OPTICAL PHASE MODULATOR" and replace with --METHOD AND SEQUENCES FOR DETERMINATE NUCLEIC ACID HYBRIDIZATION--

Column 14, line 58: Change "5'-AAAAAAAAAACCCCCTTTTCTTTT (SEQ ID NO: 11)" to --5'-AAAAAAAAAACCCCCTTTTCTTTT (SEQ ID NO: 2)--

Column 14, line 62: Change "12" to --3--

Column 14, line 63: Change "13" to --4--

Column 17, line 32: Delete "(SEQ ID NO: 15)"

Column 27, line 14: Change "9" to --11--

Column 27, line 16: Change "10" to --12--

Column 27, line 32: Change "15" to --7--

Column 27, line 34: Change "16" to --8--

Column 27, line 37: Change "17" to --9--

Column 27, line 39: Change "18" to --10--

Column 27, line 42: Change "19" to --11--

Column 27, line 44: Change "20" to --12--

Column 27, line 47: Change "21" to --13--

Column 27, line 49: Change "22" to --14--

Claim 3, column 59, line 63: Insert the word, "of" immediately before "oligonucleotide probes"

Claim 12, column 60, line 52: Change "hybridizing" to --hybridized--

Claim 13, column 60, line 55: Delete "to"

Claim 14, column 60, line 58: Insert the word "Claim" following "The method of" and change "acid" to --acids--

Claim 15, column 60, line 62: Insert the word "Claim" following "The method of"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Page 2 of 2

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Claim 16, column 60, line 66: Insert the word "Claim" following "The method of"  
and in column 61, line 1 change the second occurrence of the word "sites" to --site--  
Claim 17, column 61, line 5: Change "probe" to --probes-- and change "comprises" to  
--comprised--  
Claim 24, column 61, line 24: Delete the word "the" following "wherein"  
Claim 25, column 62, line 5: Delete "of"  
Claim 26, column 62, line 6: Change "acids" to --acid--  
Claim 27, column 62, line 9: Change "acids" to --acid--  
Claim 28, column 62, line 11: Change "acids" to --acid--  
Claim 31, column 62, line 14: Change "acids" to --acid--  
Claim 32, column 62, line 16: Change "acids" to --acid--

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